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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known 10/628,289 **Application Number** Filing Date July 29, 2003 First Named Inventor GUPTA Art Unit 2123

L	(use as	many sheets as necessary)	Examiner Name				
Sheet	1	of 2	Attorney Docket Number	KNS0002-US			
OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS							
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
3		Apte, V.B et al., "Stress Distribution in a Packed Bed Above Raceway Cavities Formed by an Air Jet", AIChE Journal, Vol. 36, No. 3, pp. 461-468 (March 1990).					
5		Apte, V.B. et al., "Gas Flows in Raceways Formed by High Velocity Jets in a Two-Dimensional Packed Bed", Chem. Eng. Res. Des., Vol. 66, pp. 357-362 (July 1988).					
3	DAY HOSE	Chong, Y.O. et al., "Operating Mechanism of a Conical Fluidized Bed", Fluidization and Industrial Applications. Chapter 38, pp. 1127-1144.					
5		Doyle, III, F.J. et al., "The Phenomenon of Pinning in an Annular Moving Bed Reactor with Crossflow of Gas", Chemical Engineering Science, Vol. 41, No. 6, pp 1485-1495 (1986).					
3		Elliott, J.F. et al., "Physical Conditions in the Combustion and Smelting Zones of a Blast Furnace", <u>Journal of Metals</u> , pp. 709-717 (July 1952).					
5		Flint, P.J. et al., "A Fundamental Study of Raceway Size in Two Dimensions", Metallurgical Transactions B. Vol. 23B, pp. 267-283 (June 1992).					
15		Hatano, M. et al., "Analysis of the Combustion Zone in the Experimental Blast Furnace", <u>Transactions ISIJ</u> , Vol. 17, pp. 102-109 (1977).					
3		Jackson, R. et al., "Shorter Communication Further Consideration of the Effect of Aeration on the Flowability of Powders", <u>Trans IchemE</u> , Vol. 59, pp. 119-121 (1981).					
3		Lister, J.D. et al., "Size Hysteresis in a Two Dimensional Model Raceway", <u>The Nineteenth Australasian Chemical Conference Newcastle, Australia</u> , 18 <sup>th</sup> –20 <sup>th</sup> , pp. 476-483, September 1991.					
7		MacDonald, J.F. et al., "Void Formation in Stationary and Moving Beds", <u>Chemical Engineering Science</u> , Vol. 52, No. 5, pp. 677-691 (1977).					
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V	STATEMENT BY APPLICANT			First Named Inventor	GUPTA			
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H	Sheet	2	of 2	Attorney Docket Number	KNS0002-US			
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刿			OTHER PRIOR ART - NON F	ATENT LITERATURE DOCU	MENTS	·		
	Examiner Cite include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the it (book, magazine, journal, serial, sympostum, catalog, etc.), date, page(s), volume-issue number(s), publicity and/or country where published.							
	4	Povermo, J.J. et al., "An Experimental Measurement of Receway Dimensions in Bethlehem Steel Corporation's Bethlehem, Pa. Plant", pp. 383-401.						
	3		Sarkar, S. et al., "A Cold Model Study of Raceway Hysteresis", Metallurgical and Materials Transactions B. Volum 34B, pp. 183-191 (April 2003).  Sastry, G.S.S.R.K. et al., "Cold Model Study of Raceway Under Mixed Particle Conditions", Ironmaking and Steelmaking, Vol. 30, No. 1, pp. 61- 65 (2003).  Sastry, G.S.S.R.K. et al., "Void Formation and Breaking in a Packed Bed", ISIJ International, Vol. 43, No. 2, pp. 153-160 (2003).  Szekely J. et al., "A Mathematical and Physical Representation of the Raceway Region in the Iron Blast Furnace", Metallurgical Transactions B, Volume 6B, pp. 119-129 (March 1975).					
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	3		Tsinontides, S.C. et al., "The Mechanics of Gas Fluidized Beds with an Interval of Stable Fluidization", <u>J. Fluid Mech.</u> , Vol. 255, pp. 237-274 (1993).					
	7	Wagstaff, J.B. et al., "Comparison of Blast Furnace Penetration with Model Studies", <u>Journal of Metals</u> , pp. 370-376 (March 1957).						
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